

STRUCTURE OF A LIGHT-CATALYST EQUIPPED ELECTRIC FAN

ABSTRACT

5 A light-catalyst equipped electric fan includes an adjustable holding
part, a light tube secured to the holding part for producing ultraviolet
light, a first motor disposed behind the holding part, a fan blade
connected with the first motor, a second motor, a filtering honeycomb
having titanium dioxide applied over it, and two joined protecting nets
10 arranged at a front of the electric fan, and connected with an output shaft
of the second motor; the filtering honeycomb is disposed between the
protecting nets, and stuck on a rear side of a front one of the nets; thus,
when the motors and the light tube are activated, air will pass through
the filtering honeycomb, and ultraviolet light will shine on the titanium
15 dioxide, and in turns, air passing through the filtering honeycomb is
purified, and germs in the air killed.